

## SEQUENCE LISTING

<110> Sheppard, Paul O.  
Gilbertson, Debra G.

<120> SECRETED PROTEINS ENCODED BY HUMAN CHROMOSOME 13

<130> 97-38C1

<150> 60/053,613

<151> 1997-07-24

<150> 09/122,383

<151> 1998-07-24

<160> 19

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1486

<212> DNA

<213> Homo sapien

<220>

<221> CDS

<222> (47)...(1084)

<400> 1

```
gaattcggca cgagggcagg aggttagacac ggcacagggc gccgag atg cgg cgg      55
                                     Met Arg Arg
                                     1
```

```
ggc gcg ggc gcg gct cgg gga cgc gct tcc tgg tgc tgg gcg ctg gcg      103
Gly Ala Gly Ala Ala Arg Gly Arg Ala Ser Trp Cys Trp Ala Leu Ala
5          10          15
```

```
ctg ctt tgg ctc gcg gtg gtt ccg ggc tgg tcc cgg gtc tcg ggc atc      151
Leu Leu Trp Leu Ala Val Val Pro Gly Trp Ser Arg Val Ser Gly Ile
20          25          30          35
```

```
ccc tcc cgg cgc cac tgg ccg gtg ccc tac aag cgc ttt gac ttc cgt      199
```

Pro Ser Arg Arg His Trp Pro Val Pro Tyr Lys Arg Phe Asp Phe Arg	
40 45 50	
cca aaa cct gat cct tat tgt caa gct aag tat act ttc tgt cca act	247
Pro Lys Pro Asp Pro Tyr Cys Gln Ala Lys Tyr Thr Phe Cys Pro Thr	
55 60 65	
ggc tca cct atc cca gtt atg gag ggt gat gat gac att gaa gtt ttt	295
Gly Ser Pro Ile Pro Val Met Glu Gly Asp Asp Ile Glu Val Phe	
70 75 80	
cga tta caa gcc cca gta tgg gaa ttt aaa tat gga gac ctc ctg gga	343
Arg Leu Gln Ala Pro Val Trp Glu Phe Lys Tyr Gly Asp Leu Leu Gly	
85 90 95	
cac ttg aaa att atg cat gat gcc att gga ttc aga agt aca tta act	391
His Leu Lys Ile Met His Asp Ala Ile Gly Phe Arg Ser Thr Leu Thr	
100 105 110 115	
ggc aag aac tac aca atg gaa tgg tat gaa ctt ttc caa ctt ggc aac	439
Gly Lys Asn Tyr Thr Met Glu Trp Tyr Glu Leu Phe Gln Leu Gly Asn	
120 125 130	
tgt aca ttt ccc cat ctc cga cct gaa atg gat gcc cct ttc tgg tgt	487
Cys Thr Phe Pro His Leu Arg Pro Glu Met Asp Ala Pro Phe Trp Cys	
135 140 145	
aat caa ggc gct gcc tgc ttt ttt gag gga att gat gat gtt cac tgg	535
Asn Gln Gly Ala Ala Cys Phe Phe Glu Gly Ile Asp Asp Val His Trp	
150 155 160	
aag gaa aat ggg aca tta gtt caa gta gca act ata tca gga aac atg	583
Lys Glu Asn Gly Thr Leu Val Gln Val Ala Thr Ile Ser Gly Asn Met	
165 170 175	
ttc aac caa atg gca aag tgg gtg aaa cag gac aat gaa aca gga att	631
Phe Asn Gln Met Ala Lys Trp Val Lys Gln Asp Ile Ser Glu Thr Gly Ile	
180 185 190 195	
tat tat gag aca tgg aat gta aaa gcc agc cca gaa aag ggg gca gag	679
Tyr Tyr Glu Thr Trp Asn Val Lys Ala Ser Pro Glu Lys Gly Ala Glu	
200 205 210	

aca tgg ttt gat tcc tac gac tgt tcc aaa ttt gtg tta agg acc ttt	727
Thr Trp Phe Asp Ser Tyr Asp Cys Ser Lys Phe Val Leu Arg Thr Phe	
215 220 225	
aac aag ttg gct gaa ttt gga gca gag ttc aag aac ata gaa acc aac	775
Asn Lys Leu Ala Glu Phe Gly Ala Glu Phe Lys Asn Ile Glu Thr Asn	
230 235 240	
tat aca aga ata ttt ctt tac agt gga gaa cct act tat ctg gga aat	823
Tyr Thr Arg Ile Phe Leu Tyr Ser Gly Glu Pro Thr Tyr Leu Gly Asn	
245 250 255	
gaa aca tct gtt ttt ggg cca aca gga aac aag act ctt ggt tta gcc	871
Glu Thr Ser Val Phe Gly Pro Thr Gly Asn Lys Thr Leu Gly Leu Ala	
260 265 270 275	
ata aaa aga ttt tat tac ccc ttc aaa cca cat ttg cca act aaa gaa	919
Ile Lys Arg Phe Tyr Tyr Pro Phe Lys Pro His Leu Pro Thr Lys Glu	
280 285 290	
ttt ctg ttg agt ctc ttg caa att ttt gat gca gtg att gtg cac aaa	967
Phe Leu Leu Ser Leu Leu Gln Ile Phe Asp Ala Val Ile Val His Lys	
295 300 305	
cag ttc tat ttg ttt tat aat ttt gaa tat tgg ttt tta cct atg aaa	1015
Gln Phe Tyr Leu Phe Tyr Asn Phe Glu Tyr Trp Phe Leu Pro Met Lys	
310 315 320	
ttc cct ttt att aaa ata aca tat gaa gaa atc cct tta cct atc aga	1063
Phe Pro Phe Ile Lys Ile Thr Tyr Glu Glu Ile Pro Leu Pro Ile Arg	
325 330 335	
aac aaa aca ctc tct ggt tta taaaacacct taattctact gctctttttt	1114
Asn Lys Thr Leu Ser Gly Leu	
340 345	
tctccaatca ccagcatctg tttttcaggg ggtgatttta cttttgtgaa ttccttagcc	1174
tttcttcctt ggtgcataaa gttaaaatgc acatcagcag aattgctgca tattaacatc	1234
tcaggactct tctcttgttaa agaagctgaa attcgtaata tattggccaa agtgagcgag	1294
ttagggtgatc ttggtttcaa tttccgagcc ttgtttaata tggagaatta tggttcatat	1354
cagttatgta ggacctttgg acccagggtc ctacagatag atatggtgtg cccagatttt	1414
aaaaatacct tcaaaaataa aaaatacatt cagtgacaaa aaaaaaaaaa aaaaaatagc	1474
ggccgcctcg ag	1486

<210> 2  
 <211> 346  
 <212> PRT  
 <213> Homo sapien

<400> 2

Met	Arg	Arg	Gly	Ala	Gly	Ala	Ala	Arg	Gly	Arg	Ala	Ser	Trp	Cys	Trp
1				5					10					15	
Ala	Leu	Ala	Leu	Leu	Trp	Leu	Ala	Val	Val	Pro	Gly	Trp	Ser	Arg	Val
			20					25					30		
Ser	Gly	Ile	Pro	Ser	Arg	Arg	His	Trp	Pro	Val	Pro	Tyr	Lys	Arg	Phe
		35					40					45			
Asp	Phe	Arg	Pro	Lys	Pro	Asp	Pro	Tyr	Cys	Gln	Ala	Lys	Tyr	Thr	Phe
	50					55					60				
Cys	Pro	Thr	Gly	Ser	Pro	Ile	Pro	Val	Met	Glu	Gly	Asp	Asp	Asp	Ile
	65				70				75					80	
Glu	Val	Phe	Arg	Leu	Gln	Ala	Pro	Val	Trp	Glu	Phe	Lys	Tyr	Gly	Asp
			85					90					95		
Leu	Leu	Gly	His	Leu	Lys	Ile	Met	His	Asp	Ala	Ile	Gly	Phe	Arg	Ser
			100					105					110		
Thr	Leu	Thr	Gly	Lys	Asn	Tyr	Thr	Met	Glu	Trp	Tyr	Glu	Leu	Phe	Gln
			115					120				125			
Leu	Gly	Asn	Cys	Thr	Phe	Pro	His	Leu	Arg	Pro	Glu	Met	Asp	Ala	Pro
	130					135					140				
Phe	Trp	Cys	Asn	Gln	Gly	Ala	Ala	Cys	Phe	Phe	Glu	Gly	Ile	Asp	Asp
	145			150					155					160	
Val	His	Trp	Lys	Glu	Asn	Gly	Thr	Leu	Val	Gln	Val	Ala	Thr	Ile	Ser
			165					170					175		
Gly	Asn	Met	Phe	Asn	Gln	Met	Ala	Lys	Trp	Val	Lys	Gln	Asp	Asn	Glu
			180					185					190		
Thr	Gly	Ile	Tyr	Tyr	Glu	Thr	Trp	Asn	Val	Lys	Ala	Ser	Pro	Glu	Lys
	195						200					205			
Gly	Ala	Glu	Thr	Trp	Phe	Asp	Ser	Tyr	Asp	Cys	Ser	Lys	Phe	Val	Leu
	210					215					220				
Arg	Thr	Phe	Asn	Lys	Leu	Ala	Glu	Phe	Gly	Ala	Glu	Phe	Lys	Asn	Ile
	225				230				235					240	
Glu	Thr	Asn	Tyr	Thr	Arg	Ile	Phe	Leu	Tyr	Ser	Gly	Glu	Pro	Thr	Tyr
			245					250					255		
Leu	Gly	Asn	Glu	Thr	Ser	Val	Phe	Gly	Pro	Thr	Gly	Asn	Lys	Thr	Leu
		260						265					270		
Gly	Leu	Ala	Ile	Lys	Arg	Phe	Tyr	Tyr	Pro	Phe	Lys	Pro	His	Leu	Pro
	275						280						285		

10010050.110001

Thr Lys Glu Phe Leu Leu Ser Leu Leu Gln Ile Phe Asp Ala Val Ile  
 290 295 300  
 Val His Lys Gln Phe Tyr Leu Phe Tyr Asn Phe Glu Tyr Trp Phe Leu  
 305 310 315 320  
 Pro Met Lys Phe Pro Phe Ile Lys Ile Thr Tyr Glu Glu Ile Pro Leu  
 325 330 335  
 Pro Ile Arg Asn Lys Thr Leu Ser Gly Leu  
 340 345

<210> 3  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC976

<400> 3  
 cgttgtaaaa cgacggcc 18

<210> 4  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC447

<400> 4  
 taacaatttc acacagg 17

<210> 5  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14487

<400> 5  
 gacttcgctc caaacctga 20

<210> 6

<211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14716

<400> 6  
 aggggcatcc atttcaggtg 20

<210> 7  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14712

<400> 7  
 atggctaacc caagagtctt 20

<210> 8  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14710

<400> 8  
 gggtgaaaca ggacaatgaa 20

<210> 9  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14488

<400> 9  
 ttatgcacca aggaagaag 20

10010050.110901

<210> 10  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14711

<400> 10  
 tttttcctca taccagcat 20

<210> 11  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14430

<400> 11  
 gtacatttcc ccatctcc 18

<210> 12  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14431

<400> 12  
 ccattttcct tccagtga 18

<210> 13  
 <211> 1038  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Degenerate nucleotide sequence encoding zsig46  
 polypeptide of SEQ ID NO:2

<400> 13

atgmgnmgng gngcngngnc ngcnmgnggn mgngcnwsnt ggtgytgggc nytnngcnytn	60
ytntggytng cngtngtnc nggntggwsn mgngtnwsng gnathccnws nmgnmgncay	120
tgccngtnc cntayaarmg nttygaytty mgncnnaarc cngayccnta ytgycargcn	180
aartayacnt tytgycnnc nggnwsnccn athccngtna tggarggnga ygaygayath	240
gargtnttym gnytnarcg nccngtntgg garttyaart ayggngayyt nytnngncay	300
ytnaaratha tgcaygaygc nathgntty mgnwsnacny tnacnggnaa raaytayacn	360
atggartggt aygarytnt ycarytnggn aaytgyacnt tyccncayyt nmgnccngar	420
atggaygcnc cnttytggtg yaaycarggn gcngcntgyt tytytgargg nathgaygay	480
gtncaytgga argaraaygg nacnytngtn cargtngcna cnathwsngg naayatgty	540
aaycaratgg cnaartgggt naarcargay aaygaracng gnathtayta ygaracntgg	600
aaygtnaarg cnwsnccnga raarggngcn garacntggt tygaywsnta ygaytgywsn	660
aarttygtny tnmgnacntt yaayaarytn gcngarttyg gngcngartt yaaraayath	720
garacnaayt ayacnmgnat httyyntay wsngngarc cnaactayyt nggnaaygar	780
acnwsngtnt tyggncnnc nggnaayaar acnytnngny tngcnathaa rmngnttyat	840
taycncntya arccncayyt nccnacnaar garttyytny tnwsnytnyt ncarathtty	900
gaycngtna thgtncayaa rcarttytay ytnntytaya aytytgarta ytggttyytn	960
ccnatgaart tyccnttyat haarathacn taygargara thccnytncc nathmgnaay	1020
aaracnytnw snggnytn	1038

&lt;210&gt; 14

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Glu-Glu affinity tag peptide

&lt;400&gt; 14

Glu Glu Tyr Met Pro Met Glu

1

5

&lt;210&gt; 15

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Oligonucleotide ZC14695

&lt;400&gt; 15

taactcgagg agatgcggcg gggcg

25

&lt;210&gt; 16



<211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC15231

<400> 16  
 ttcggtatcct aaaccagaga gtgttttgtt 30

<210> 17  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC14696

<400> 17  
 ttaggtatcct ggtcccggt ctcg 24

<210> 18  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Oligonucleotide ZC15230

<400> 18  
 ttctctgagg ttttataaac cagagagtgt 30

<210> 19  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Glu-Glu tag peptide

<400> 19  
 Glu Tyr Met Pro Val Asp  
 1 5

10010050.110001

